

| | |
|-------------------------------|-----------------|
| PROPRIETARY INFORMATION | |
| RayBiotech Life, Inc | Form: FO-TF-028 |
| Service Reports; Revision 1.0 | |

Raybiotech Life, Inc.
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1-888-494-8555
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Email: info@raybiotech.com



FILED
Jan 11, 2025, 7:47 PM
in the Clerk's Office
U.S. District Court,
EDNY, Brooklyn
Pro Se Office via
Box.com

| | |
|--------------------------|-------------------------------------|
| Customer Contact Name: | Andrew Sinclair |
| Customer Institution: | B4B |
| Contact Phone Number: | N/A |
| Customer Email Address: | |
| Purchase Order Number | CC 3576 / PHONE |
| Sales Order Number | S085085 |
| Protocol Number | 11182024 TISD QAH-INF-1 SA8 S085085 |
| Study Director assigned: | Gracie Armour |

Service Provided

| | |
|--|----------------------------------|
| Type of Service Provided: | Full Testing |
| Sample Type and Preparation: | Drink |
| Test procedure: | SOP-TF-QAH-001, SOP-TF-QAH-003 |
| Stability of sample and Standards or Positive Controls | Stable to conditions of test |
| Protocol sign off Date: | 11/26/2024 |
| Final Report completed date: | 11/26/2024 |
| Storage of Records and samples | According to in house procedures |

Sign off:

| | |
|-------------------------------|------------------|
| Study Director: Gracie Armour | Date: 11/26/2024 |
| Laboratory Manager: Mike Mao | Date: 11/26/2024 |

Results; Page 1 of 2

| LOD | MAX | Curve(s) | (pg/ml) | BETISD 1 | BETISD 2 | BETISD 3 | BETISD 4 | BETISD 5 | BETISD 6 |
|-----|----------|----------|---------|----------|----------|----------|----------|----------|----------|
| 4.0 | 2,000.0 | | IL-1a | 21.4 | 49.5 | 8.3 | 33.1 | 11.8 | 36.3 |
| 2.3 | 2,000.0 | | IL-1b | 10.8 | 18.9 | 9.0 | 11.8 | 5.8 | 4.3 |
| 0.7 | 123.5 | | IL-4 | 1.6 | 1.8 | 1.5 | 1.5 | 0.3 | 1.3 |
| 4.0 | 2,000.0 | | IL-6 | 19.7 | 33.5 | 13.0 | 17.8 | 12.2 | 14.8 |
| 0.8 | 400.0 | | IL-8 | 7.1 | 8.7 | 5.6 | 5.8 | 5.1 | 7.3 |
| 0.2 | 1,111.1 | | IL-10 | 0.1 | 0.4 | 0.0 | 0.1 | 0.0 | 0.0 |
| 1.1 | 2,000.0 | | IL-13 | 1.9 | 2.2 | 1.5 | 1.5 | 1.2 | 1.7 |
| 7.7 | 2,000.0 | | MCP-1 | 13.0 | 16.2 | 8.6 | 8.7 | 8.7 | 9.6 |
| 6.0 | 10,000.0 | | IFNg | 22.9 | 20.1 | 12.3 | 6.7 | 5.0 | 14.0 |
| 4.0 | 2,000.0 | | TNFa | 37.2 | 109.6 | 25.2 | 38.6 | 23.0 | 51.2 |

Blue Italic : Below LOD

Red Bold: Above MAX

| (pg/ml) | BETISD 7 | BETISD 8 |
|---------|----------|----------|
| IL-1a | 15.9 | 28.0 |
| IL-1b | 9.8 | 15.3 |
| IL-4 | 0.4 | 1.3 |
| IL-6 | 8.7 | 22.4 |
| IL-8 | 1.2 | 7.9 |
| IL-10 | 0.0 | 0.5 |
| IL-13 | 1.2 | 1.6 |
| MCP-1 | 8.2 | 12.9 |
| IFNg | 6.0 | 22.4 |
| TNFa | 48.7 | 71.1 |

Blue Italic : Below LOD

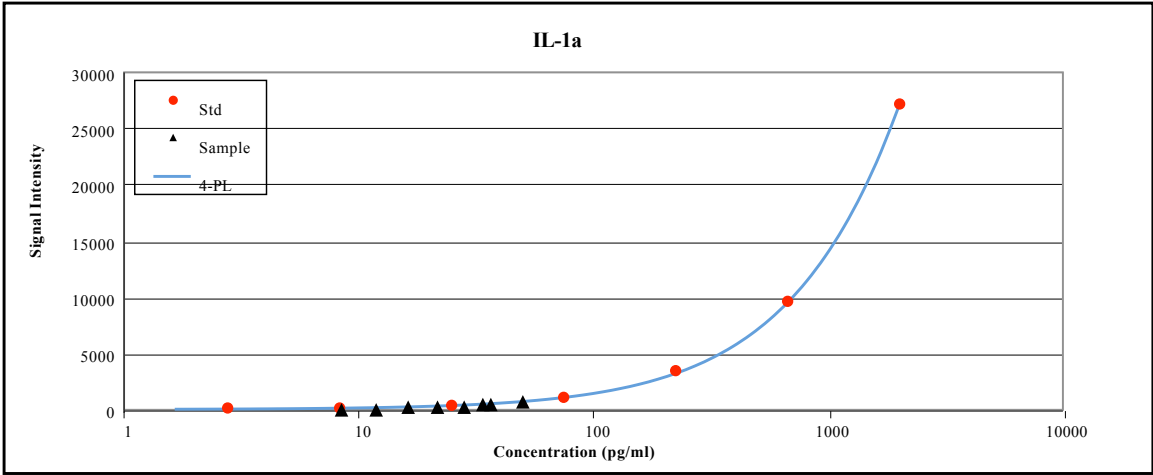
Red Bold: Above MAX

Data Statistics

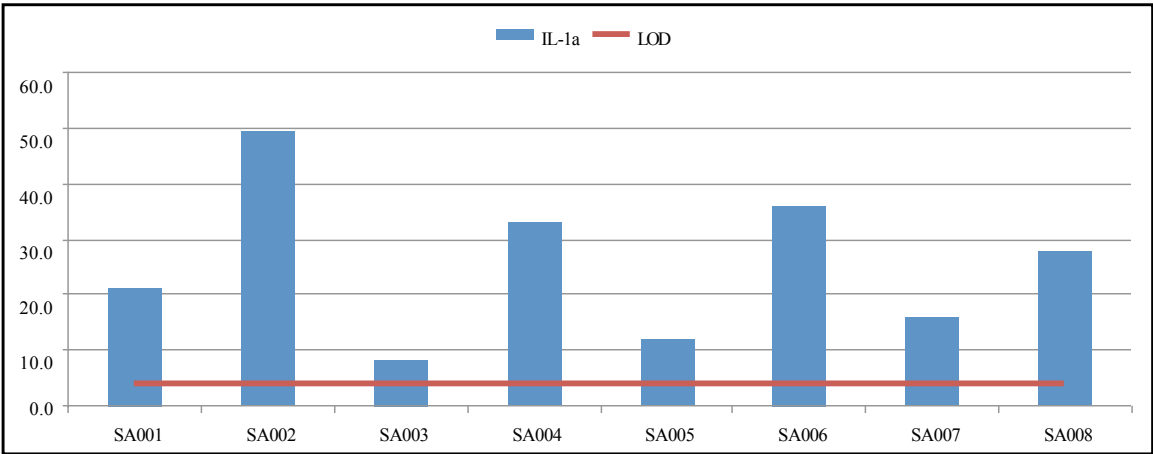
| Target | LOD (pg/ml) | Best Confident Range | Maximum Value | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Confidence | %Above Maximum |
|--------|-------------|----------------------|---------------|------------------------|-----------------------|-------------|-----------------------|----------------------|----------------|
| IL-1a | 4.0 | 12.0 - 667 | 2,000 | 49.5 | 8.3 | 0.0 | 25.0 | 75.0 | 0.0 |
| IL-1b | 2.3 | 7.0 - 667 | 2,000 | 18.9 | 4.3 | 0.0 | 25.0 | 75.0 | 0.0 |
| IL-4 | 0.7 | 2.1 - 41 | 123 | 1.8 | 0.3 | 25.0 | 75.0 | 0.0 | 0.0 |
| IL-6 | 4.0 | 12.0 - 667 | 2,000 | 33.5 | 8.7 | 0.0 | 12.5 | 87.5 | 0.0 |
| IL-8 | 0.8 | 2.4 - 133 | 400 | 8.7 | 1.2 | 0.0 | 12.5 | 87.5 | 0.0 |
| IL-10 | 0.2 | 0.5 - 370 | 1,111 | 0.5 | 0.0 | 75.0 | 12.5 | 12.5 | 0.0 |
| IL-13 | 1.1 | 3.4 - 667 | 2,000 | 2.2 | 1.2 | 0.0 | 100.0 | 0.0 | 0.0 |
| MCP-1 | 7.7 | 23.2 - 667 | 2,000 | 16.2 | 8.2 | 0.0 | 100.0 | 0.0 | 0.0 |
| IFNg | 6.0 | 18.0 - 3,333 | 10,000 | 22.9 | 5.0 | 25.0 | 37.5 | 37.5 | 0.0 |
| TNFa | 4.0 | 12.0 - 667 | 2,000 | 109.6 | 23.0 | 0.0 | 0.0 | 100.0 | 0.0 |

Individual Protein

Standard Curve & Sample Distribution



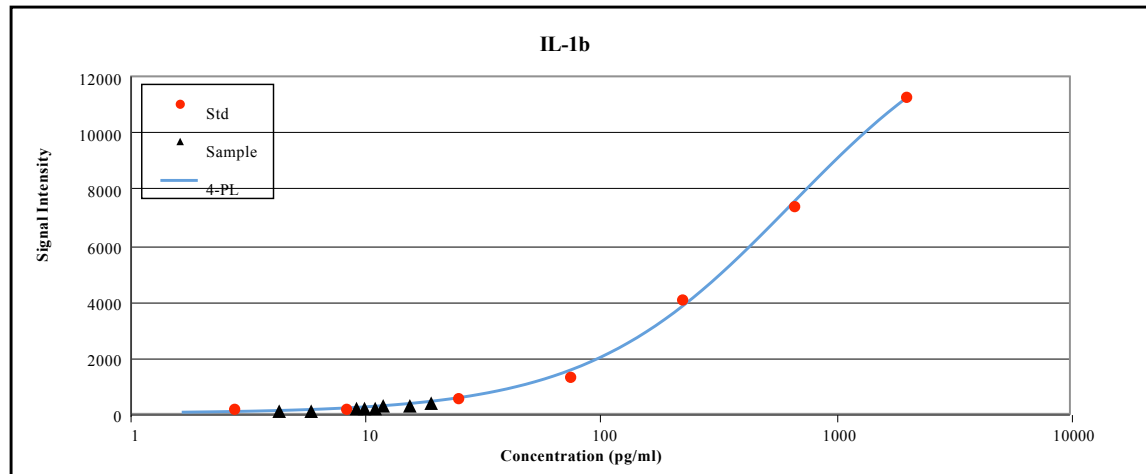
IL-1a Sample Testing Result



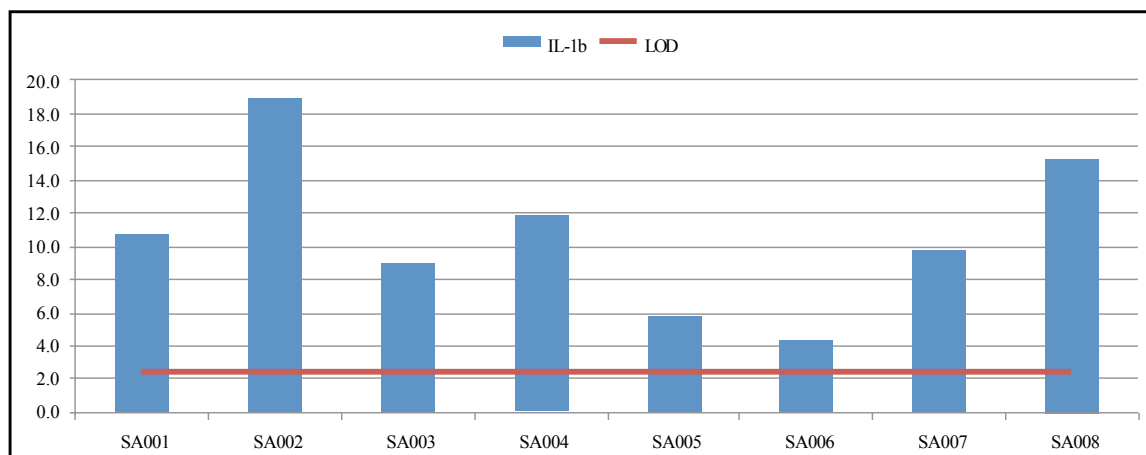
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | %Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|------------|
| IL-1a | 4.0 | 12.0 - 667 | 49.45 | 8.34 | 0.0 | 25.0 | 75.0 | 0.0 |

Standard Curve & Sample Distribution



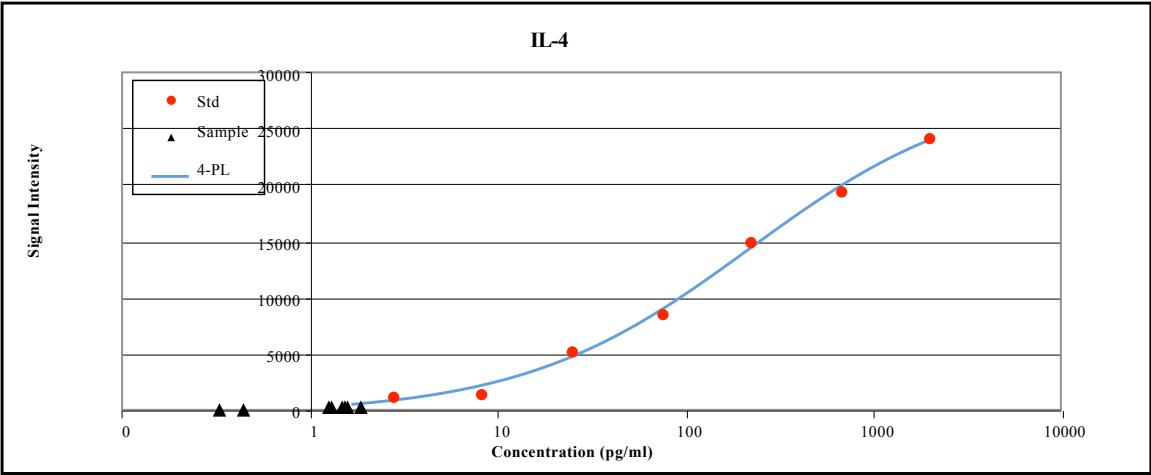
IL-1b Sample Testing Result



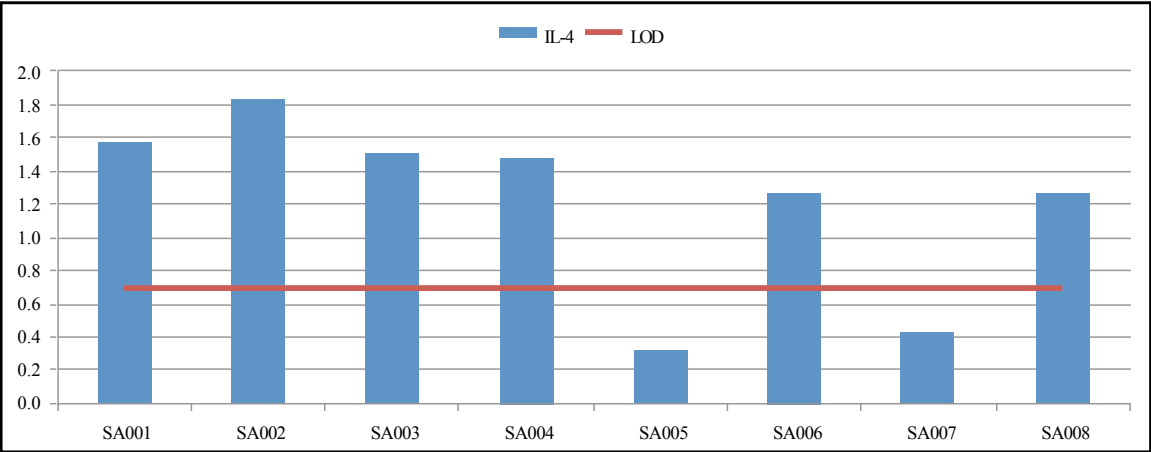
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | %Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|------------|
| IL-1b | 2.3 | 7.0 - 667 | 18.94 | 4.28 | 0.0 | 25.0 | 75.0 | 0.0 |

Standard Curve & Sample Distribution



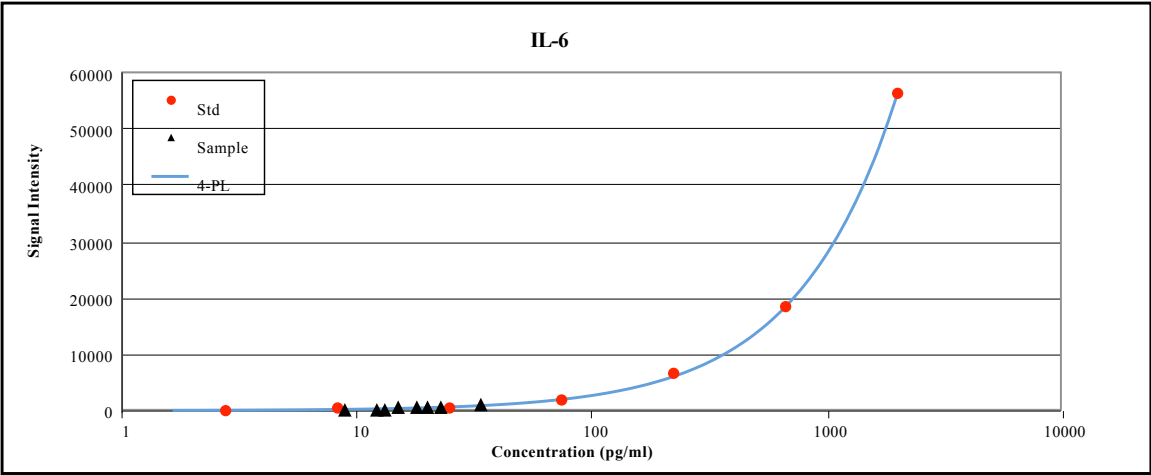
IL-4 Sample Testing Result



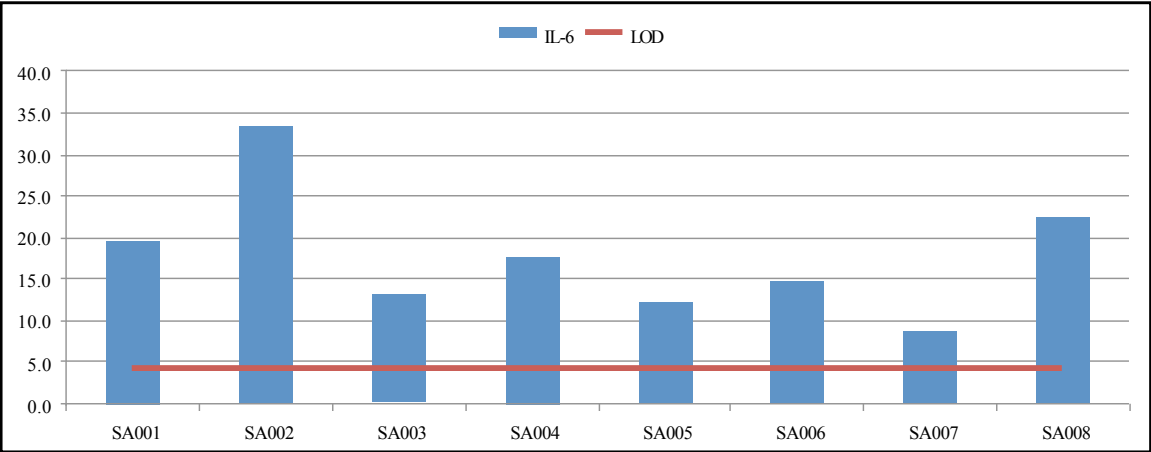
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| IL-4 | 0.7 | 2.1 - 41 | 1.83 | 0.32 | 25.0 | 75.0 | 0.0 | 0.0 |

Standard Curve & Sample Distribution



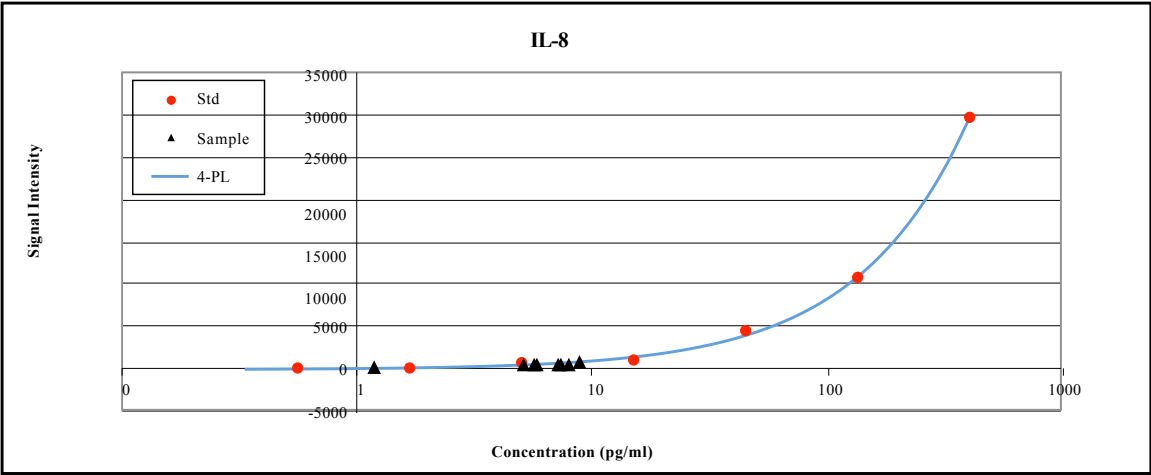
IL-6 Sample Testing Result



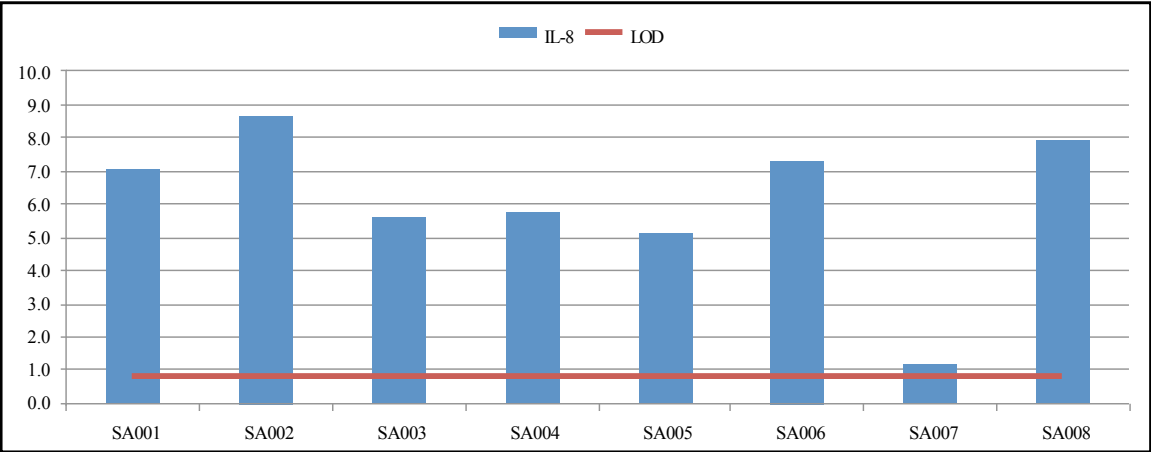
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| IL-6 | 4.0 | 12.0 - 667 | 33.48 | 8.68 | 0.0 | 12.5 | 87.5 | 0.0 |

Standard Curve & Sample Distribution



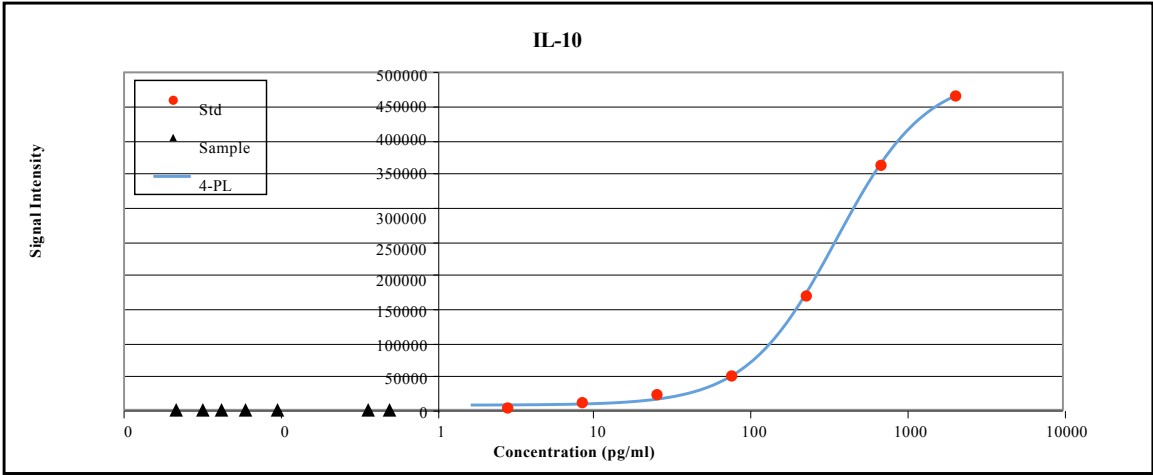
IL-8 Sample Testing Result



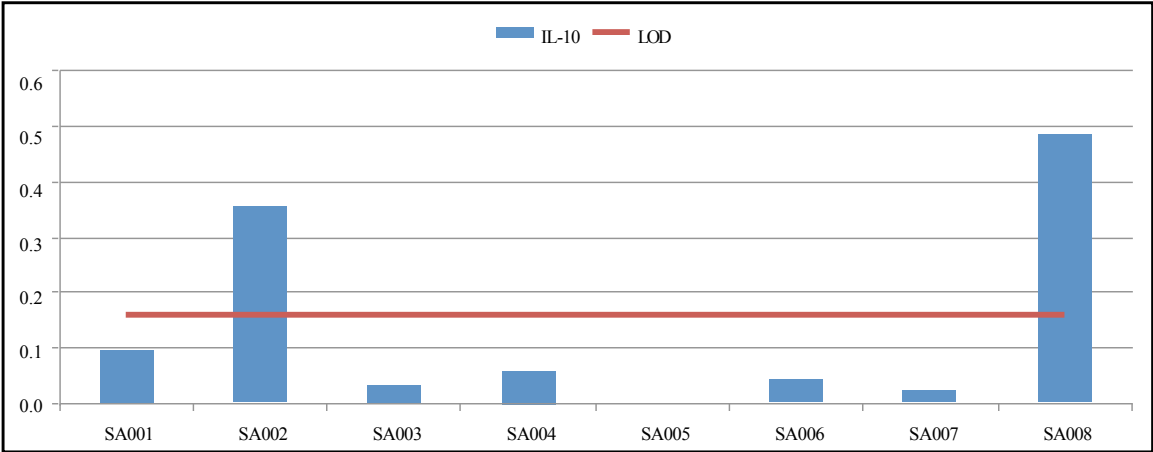
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| IL-8 | 0.8 | 2.4 - 133 | 8.69 | 1.16 | 0.0 | 12.5 | 87.5 | 0.0 |

Standard Curve & Sample Distribution



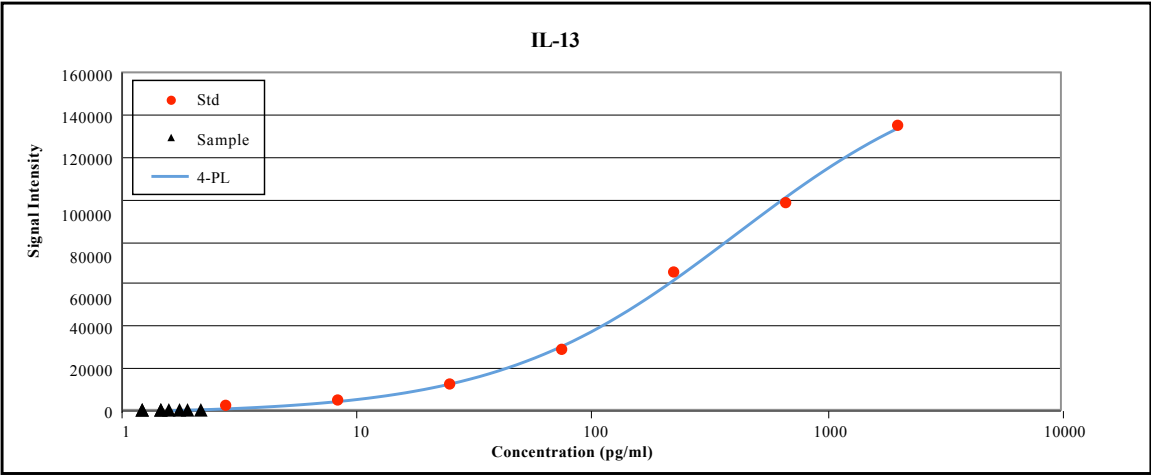
IL-10 Sample Testing Result



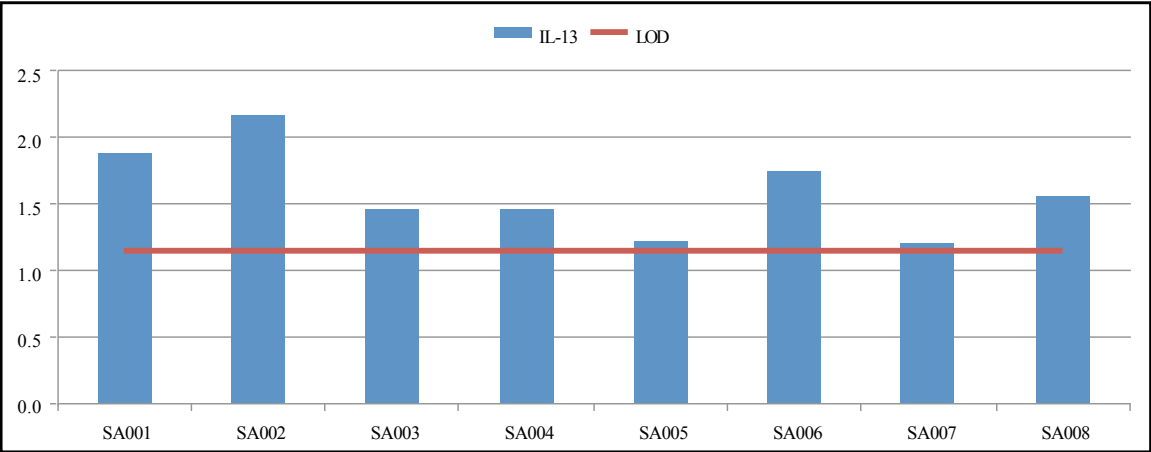
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| IL-10 | 0.2 | 0.5 - 370 | 0.48 | 0.00 | 75.0 | 12.5 | 12.5 | 0.0 |

Standard Curve & Sample Distribution



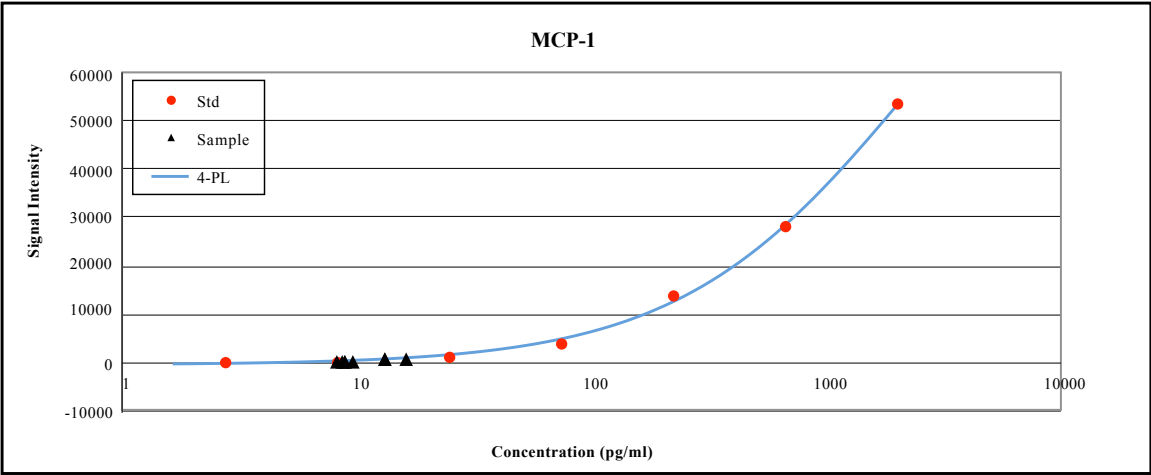
IL-13 Sample Testing Result



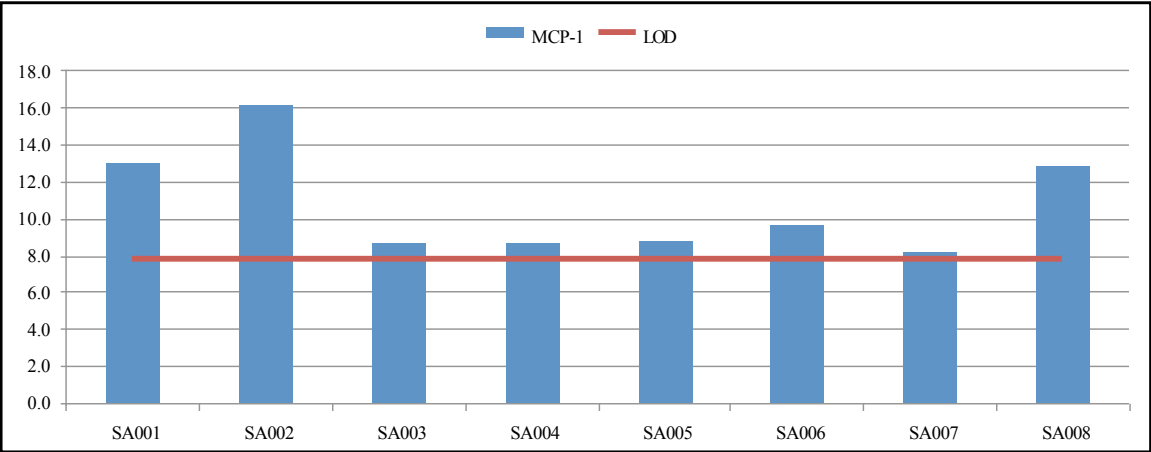
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| IL-13 | 1.1 | 3.4 - 667 | 2.16 | 1.20 | 0.0 | 100.0 | 0.0 | 0.0 |

Standard Curve & Sample Distribution



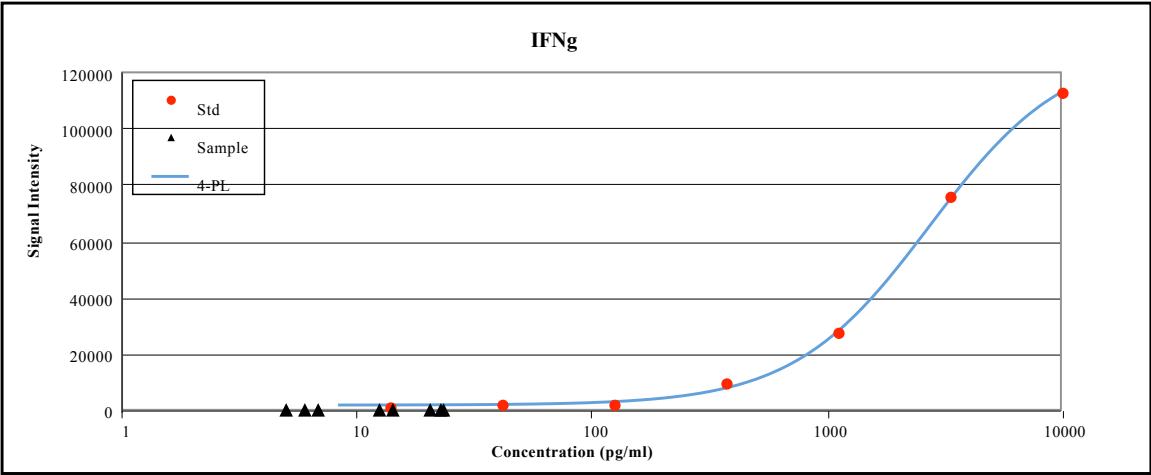
MCP-1 Sample Testing Result



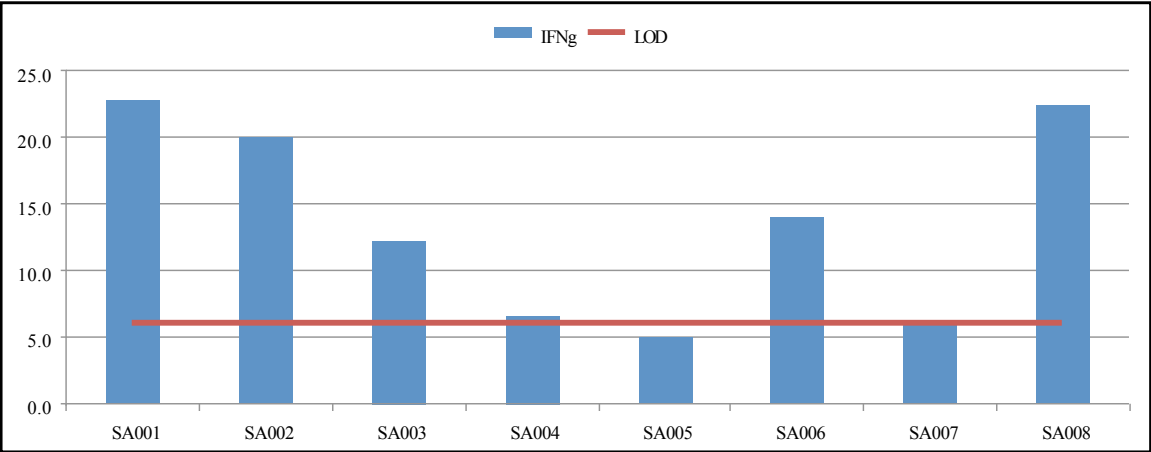
Data Statistics

| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| MCP-1 | 7.7 | 23.2 - 667 | 16.18 | 8.22 | 0.0 | 100.0 | 0.0 | 0.0 |

Standard Curve & Sample Distribution



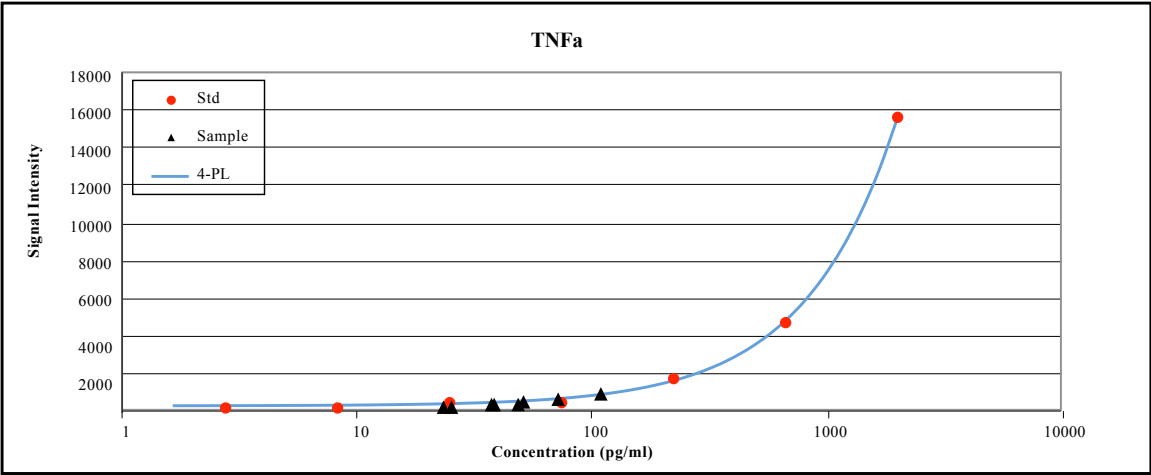
IFNg Sample Testing Result



Data Statistics

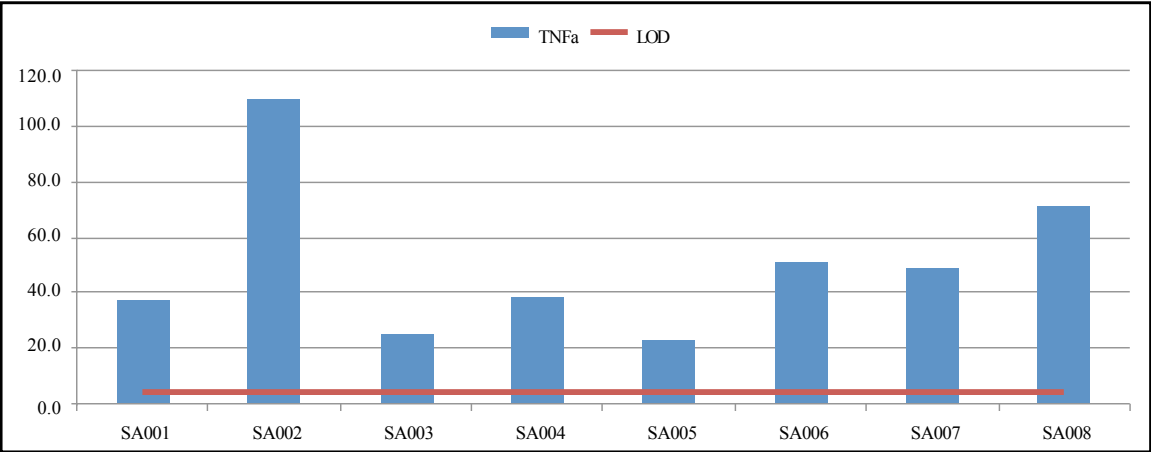
| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| IFNg | 6.0 | 18.0 - 3,333 | 22.86 | 4.96 | 25.0 | 37.5 | 37.5 | 0.0 |

Standard Curve & Sample Distribution



0

TNFa Sample Testing Result



Data Statistics

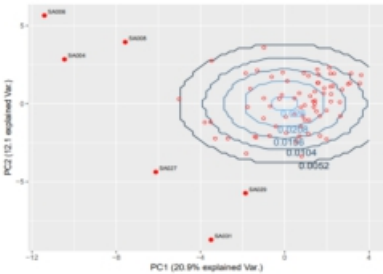
| Protein Name | Limit of Detection (LOD) | Best Confident Range | Highest Reported Value | Lowest Reported Value | % Below LOD | %Above LOD but <3xLOD | % in Best Range | % Above MAX |
|--------------|--------------------------|----------------------|------------------------|-----------------------|-------------|-----------------------|-----------------|-------------|
| TNFa | 4.0 | 12.0 - 667 | 109.56 | 22.98 | 0.0 | 0.0 | 100.0 | 0.0 |

Need help making sense of your data?

RayBiotech offers affordable Biostatistics & Bioinformatics services.

DATA CLEAN-UP

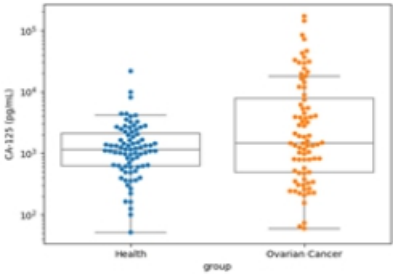
Data outliers are identified & removed from further analyses.



EXAMPLE REPORT

DIFFERENTIAL EXPRESSION ANALYSIS

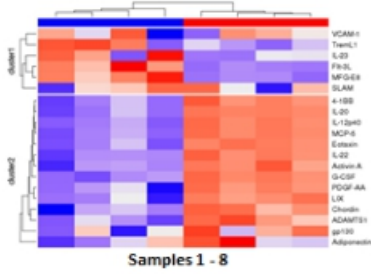
Identifies differentially-expressed proteins across groups using volcano plots & jitter plots.



EXAMPLE REPORT

CLUSTER ANALYSIS

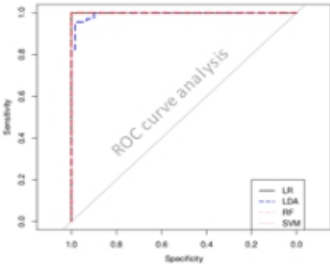
Clusters samples based on similar expression profiles. Includes heatmaps and more!



EXAMPLE REPORT

BIOMARKER SELECTION

Uses various models to identify statistically-significant biomarkers between groups. Provides p-values.



EXAMPLE REPORT

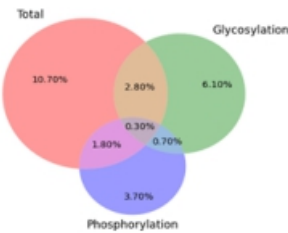
PATHWAY ANALYSIS

Identifies the specific protein functions, biological pathways, and physical interactions enriched in a particular group.



EXAMPLE REPORT

Contact us at info@raybiotech.com for more information.



LEARN MORE